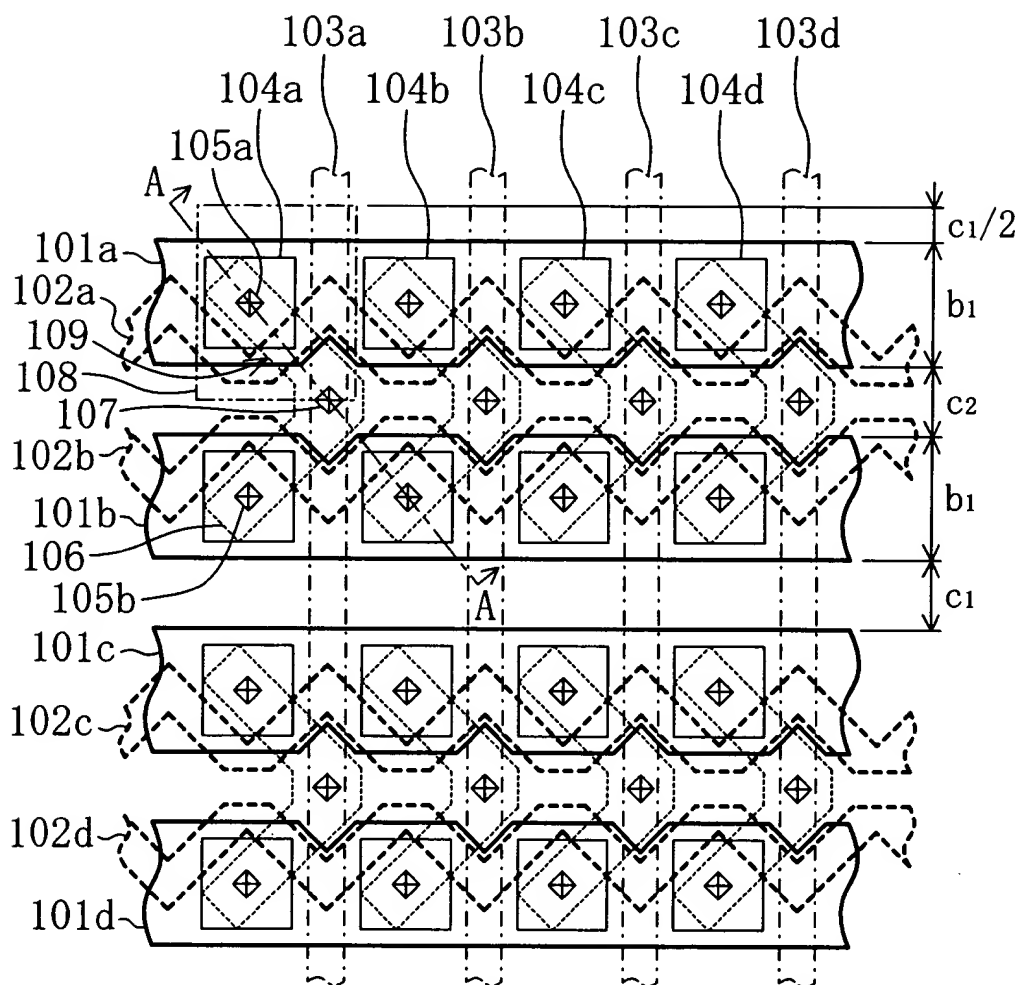


FIG. 1



1. The first part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation  $f(x) = \int_0^x f(t) dt$ . It is shown that  $f(x)$  is a continuous function and that it satisfies the functional equation  $f(x+y) = f(x) + f(y)$ . The function  $f(x)$  is also shown to be differentiable and its derivative is found to be  $f'(x) = f(x)$ .

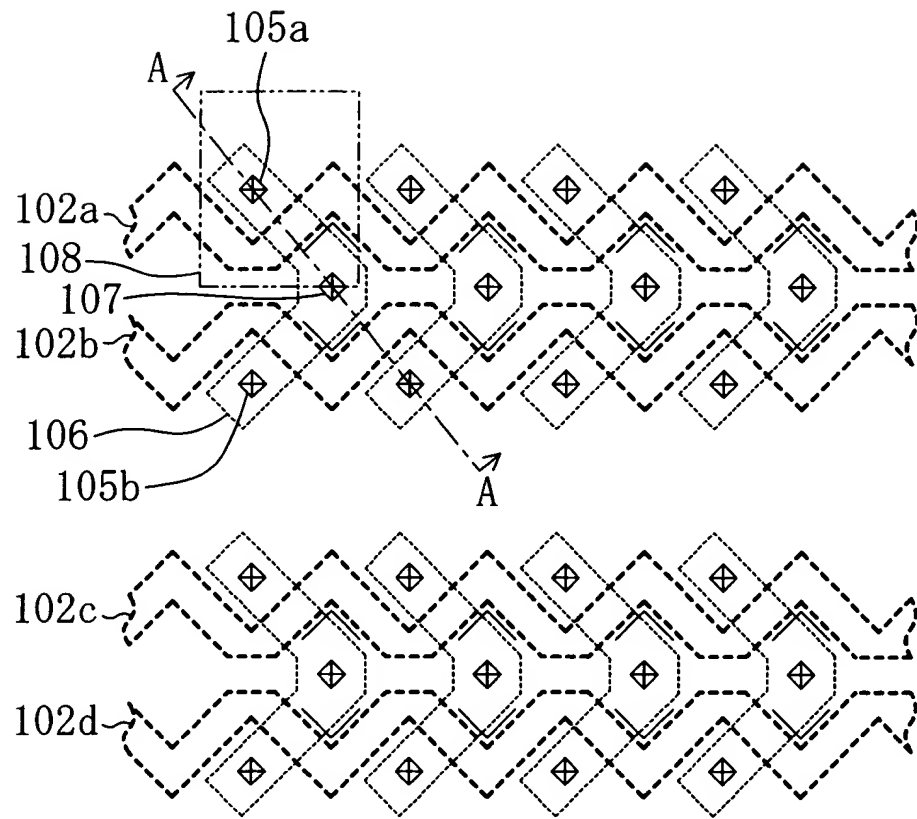


FIG. 3

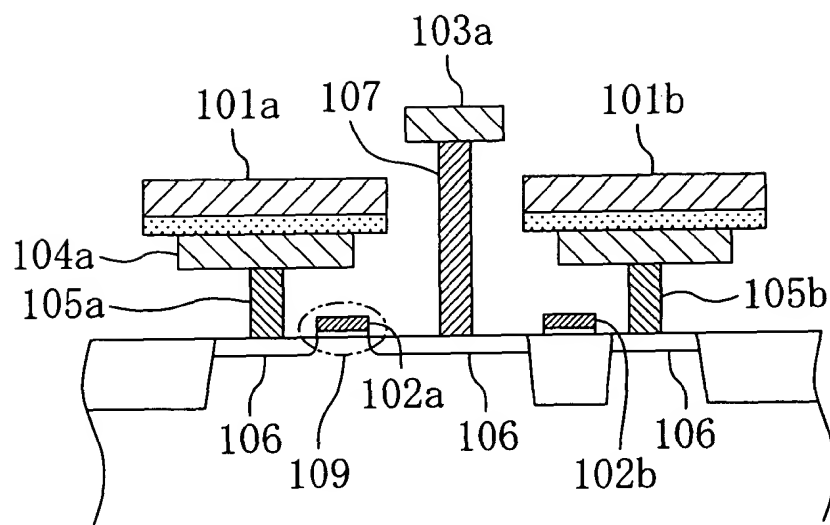


FIG. 4

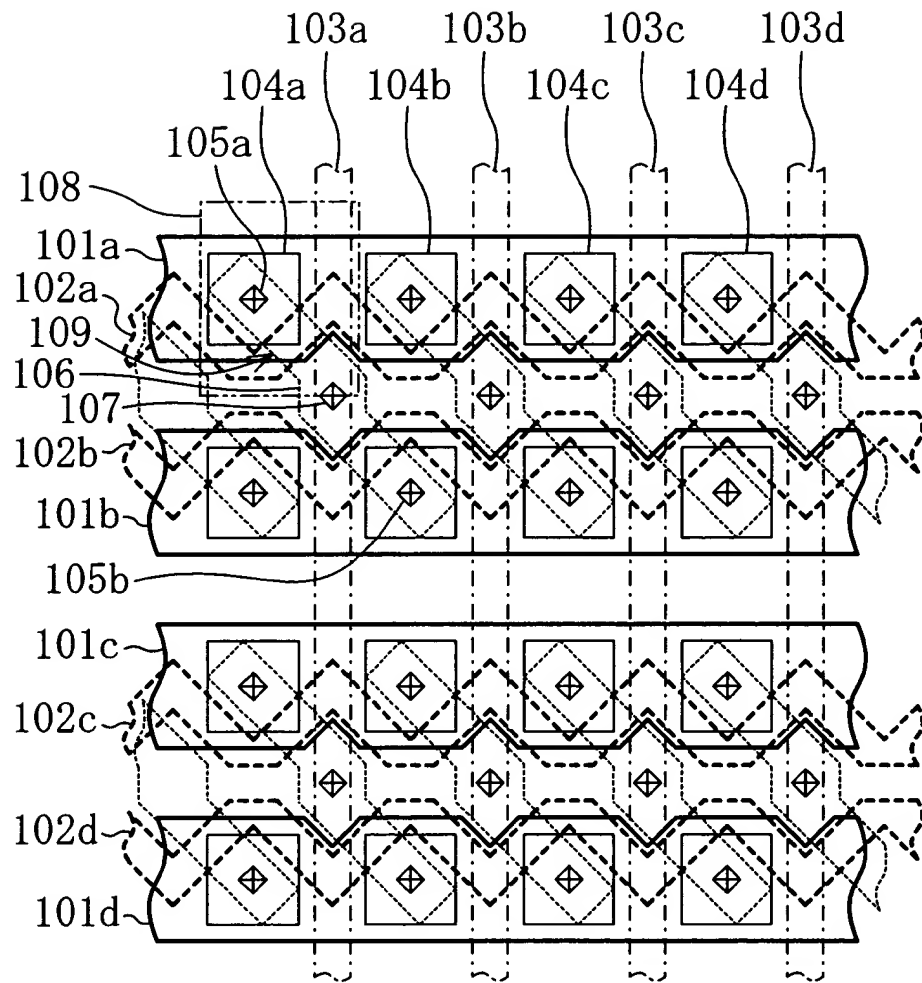


FIG. 5

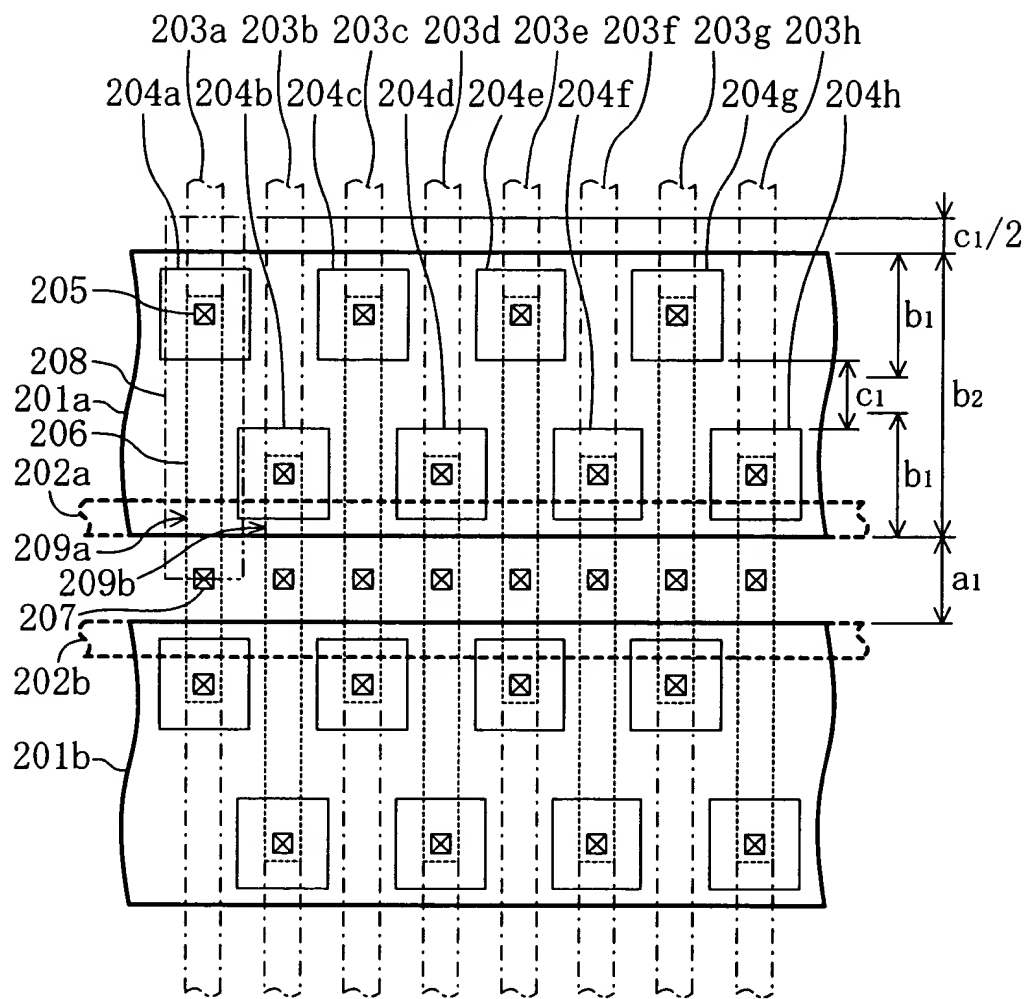


FIG. 6

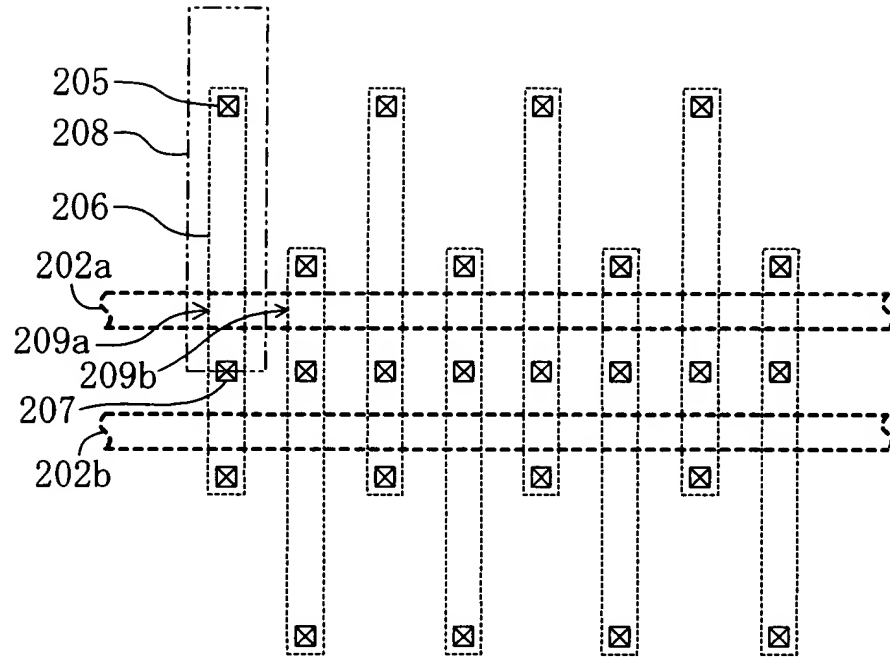
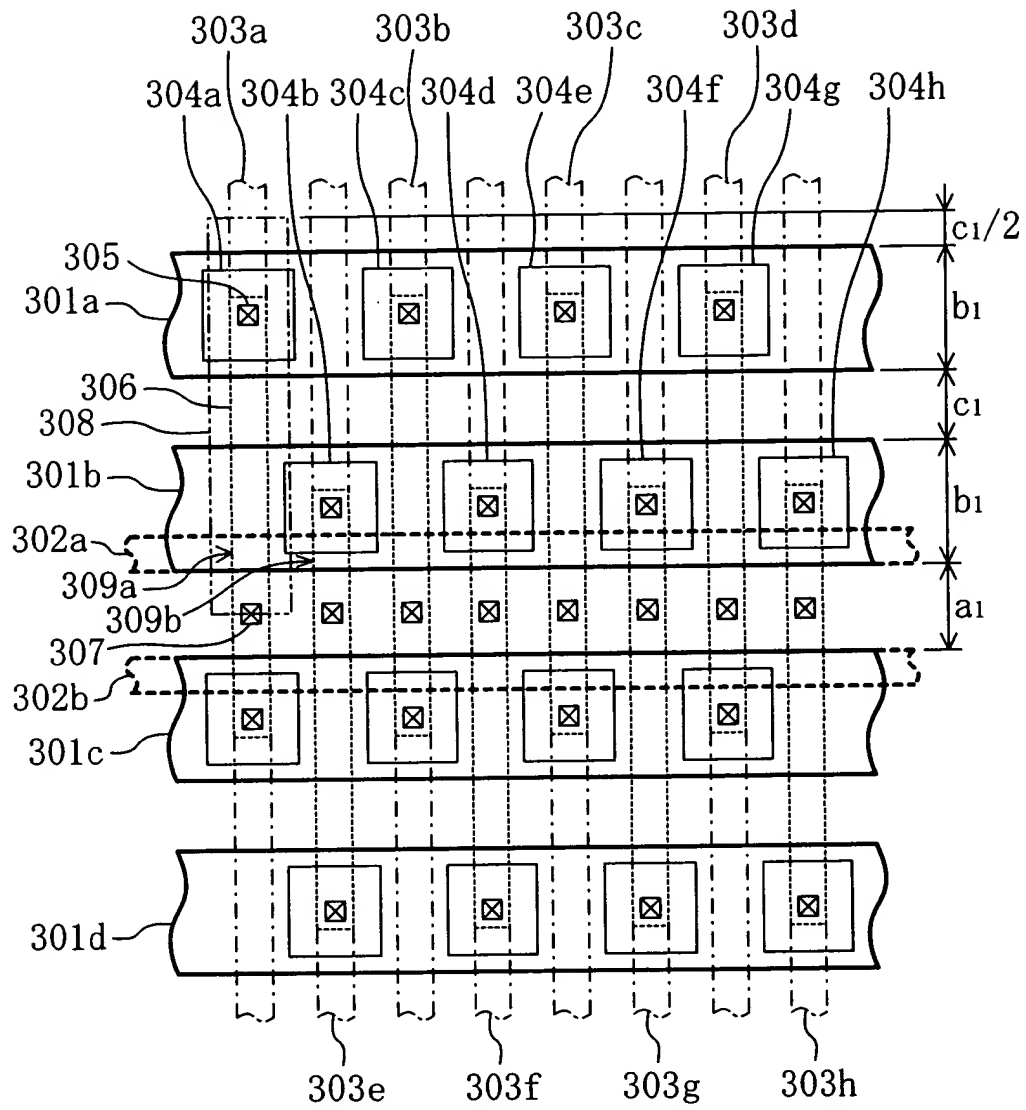


FIG. 7



1. The first part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation  $f(x) = \int_0^x f(t) dt$ . It is shown that  $f(x)$  is a continuous function and that it satisfies the functional equation  $f(x+y) = f(x) + f(y)$ .

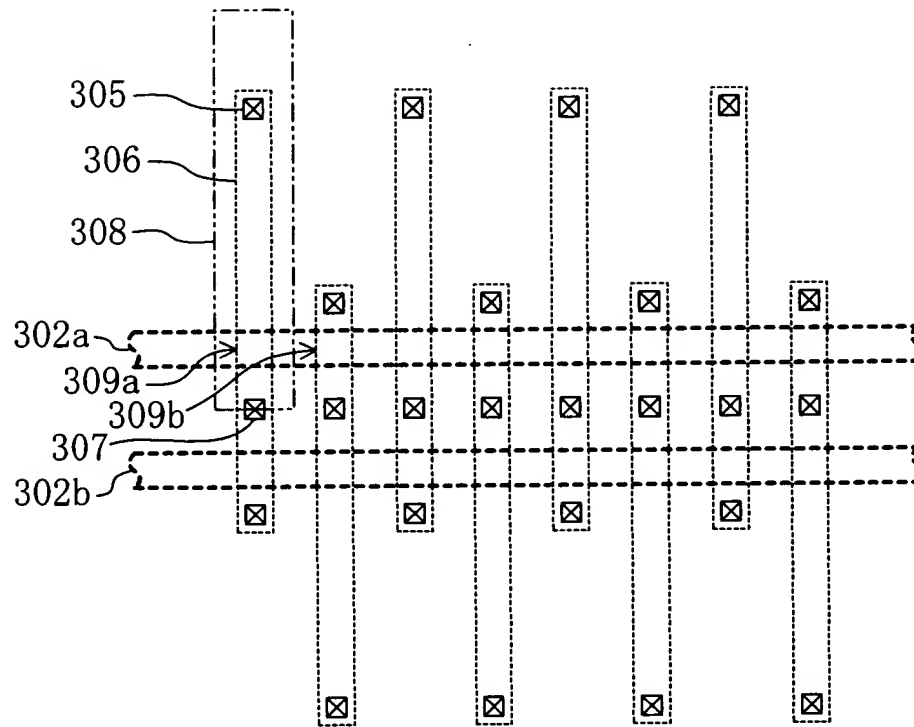




FIG. 9

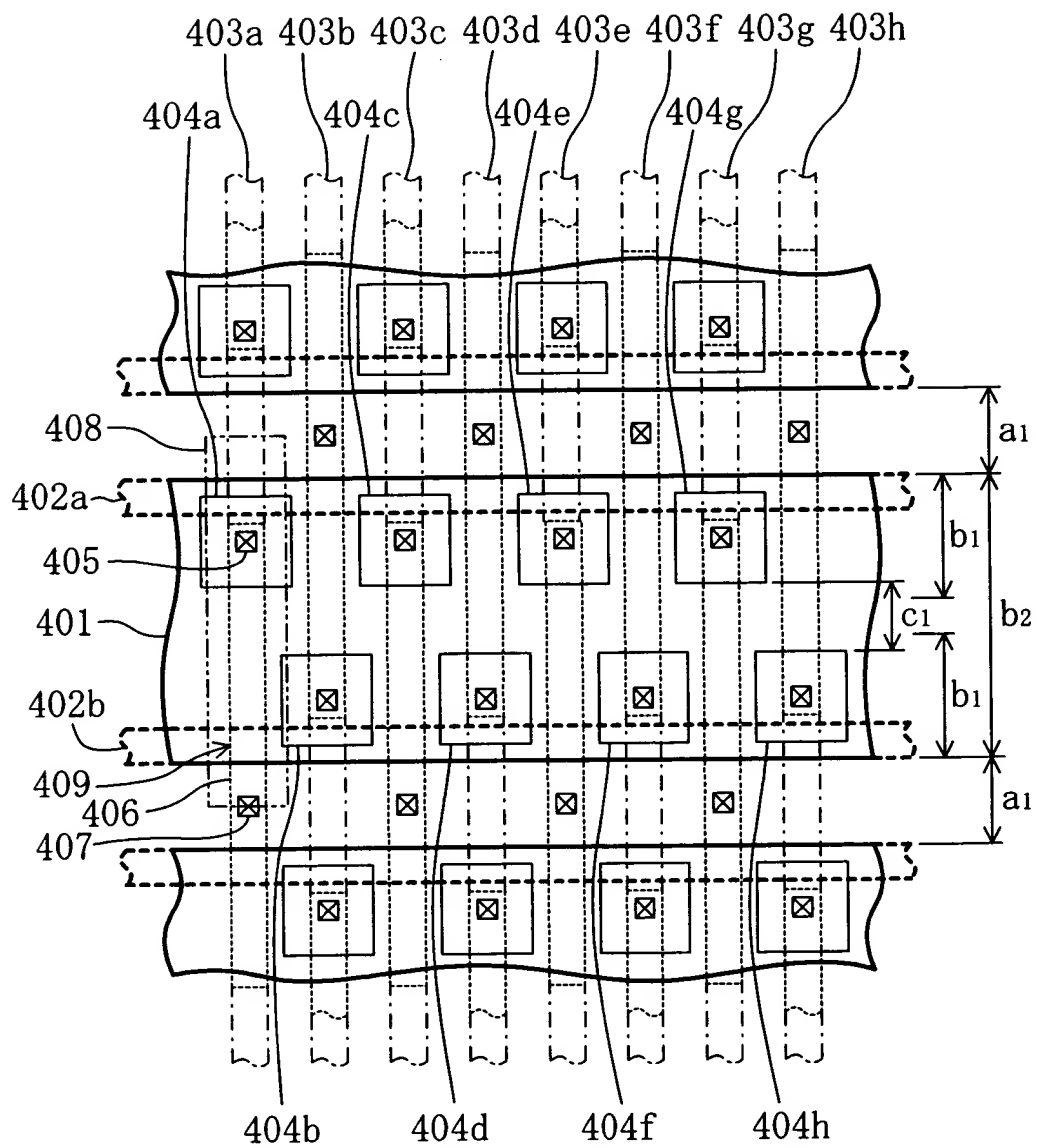


FIG. 10

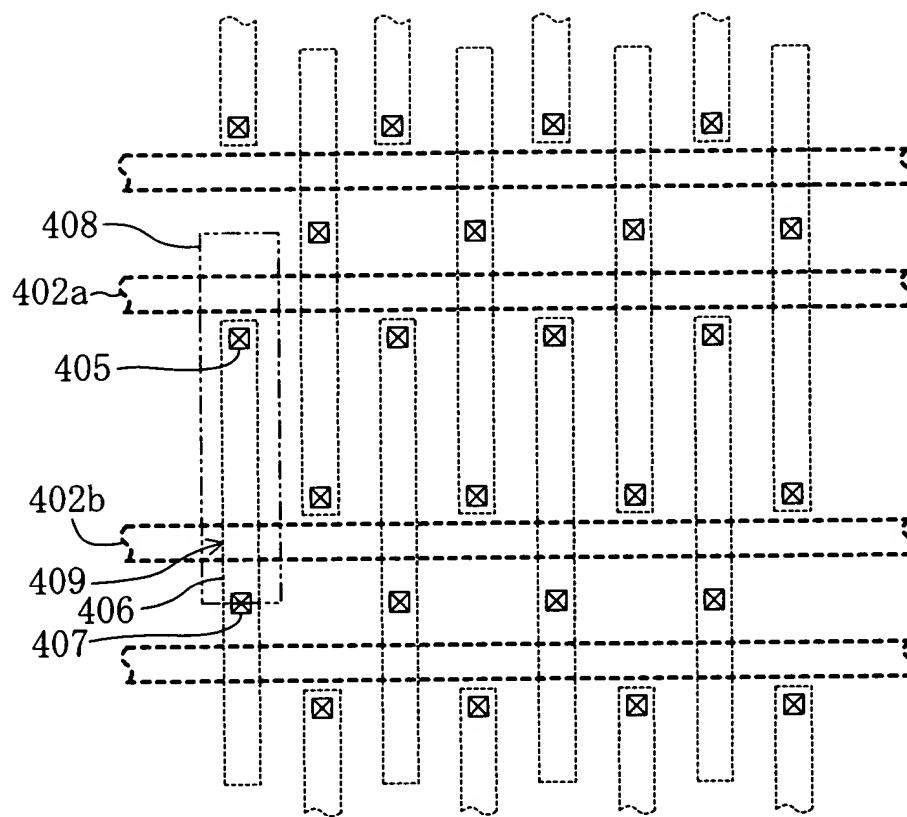


FIG. 11

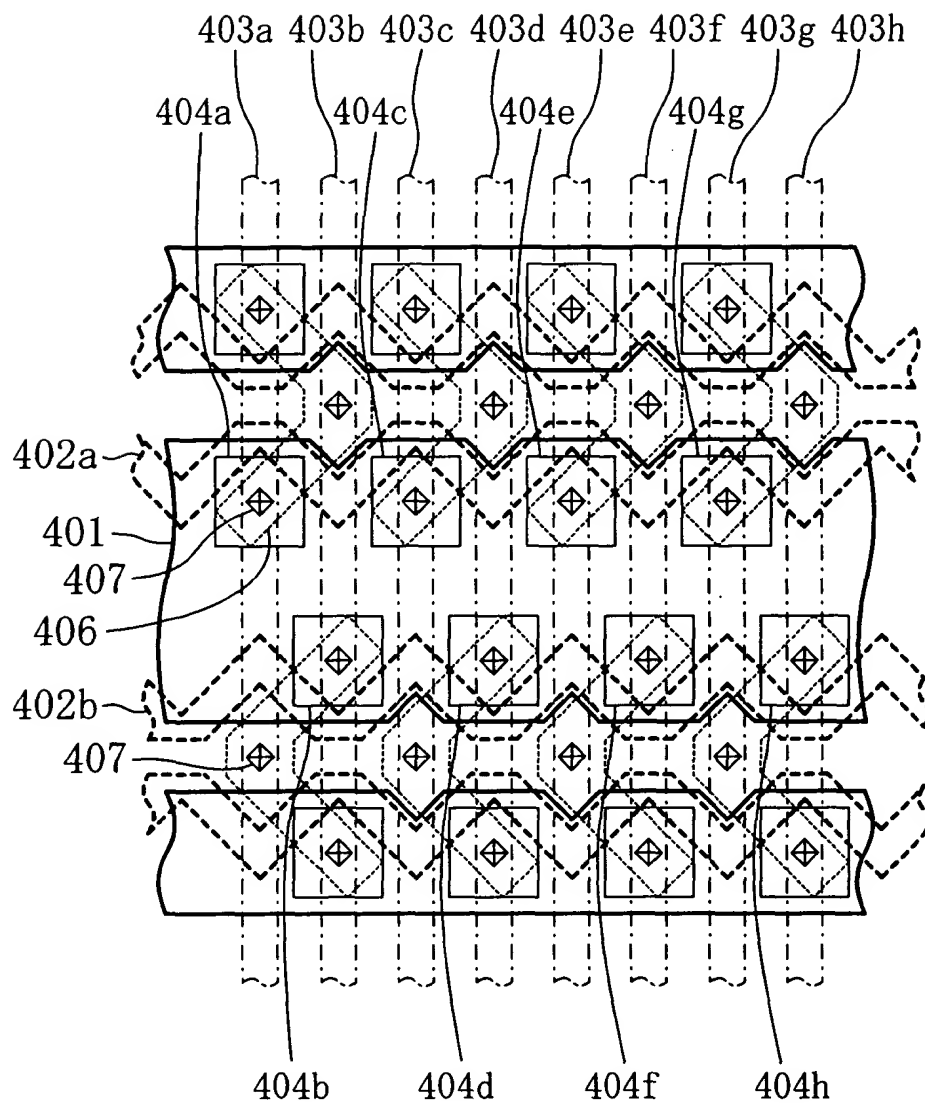


FIG. 12

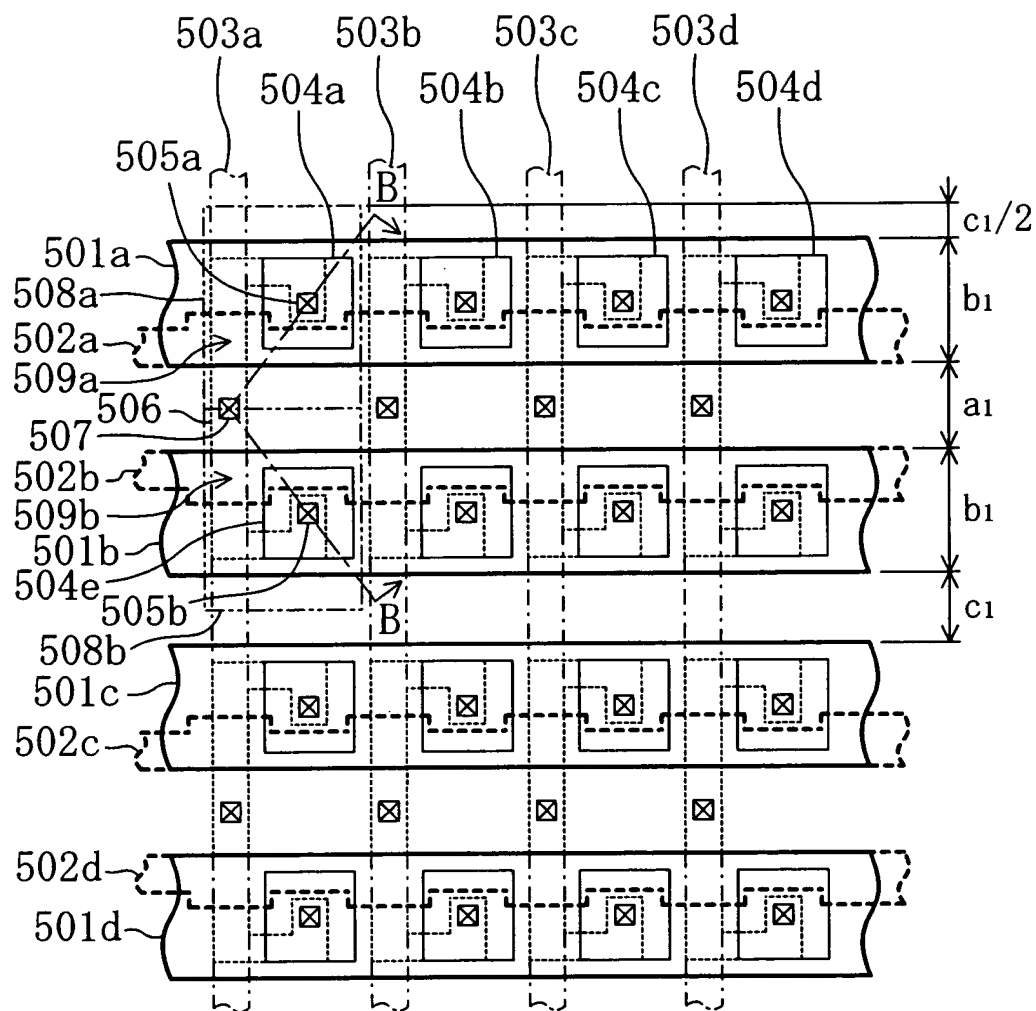


FIG. 13

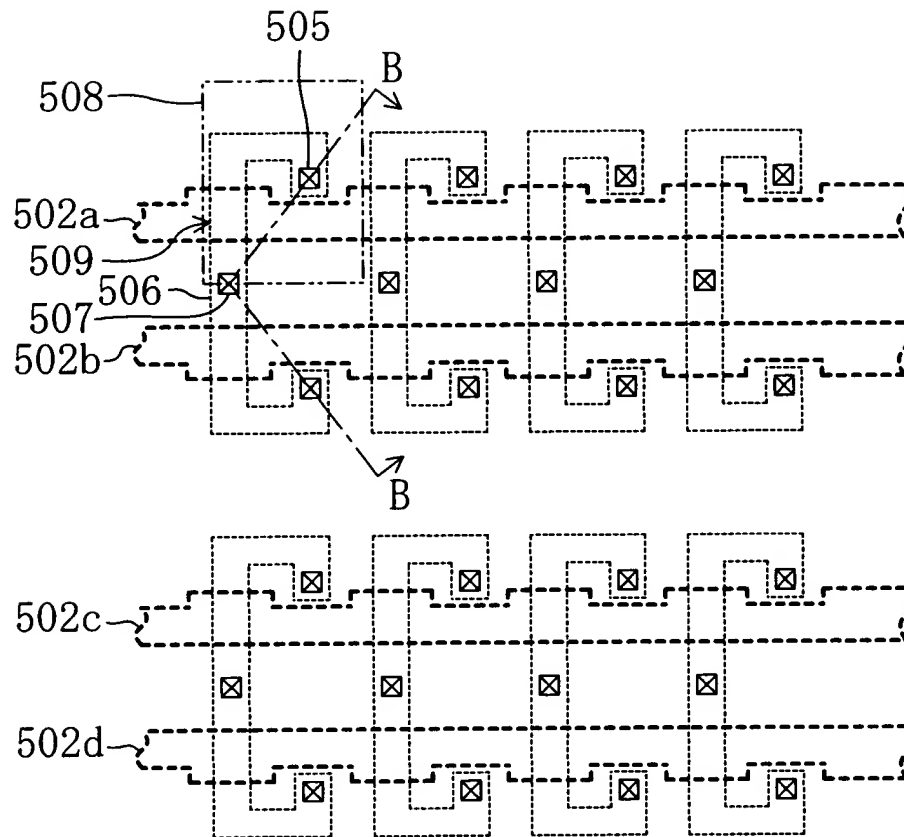


FIG. 14

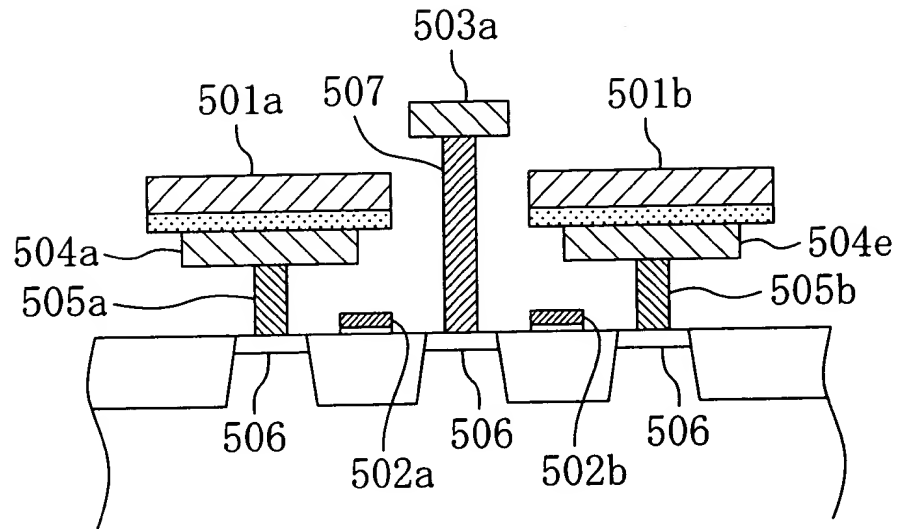


FIG. 15

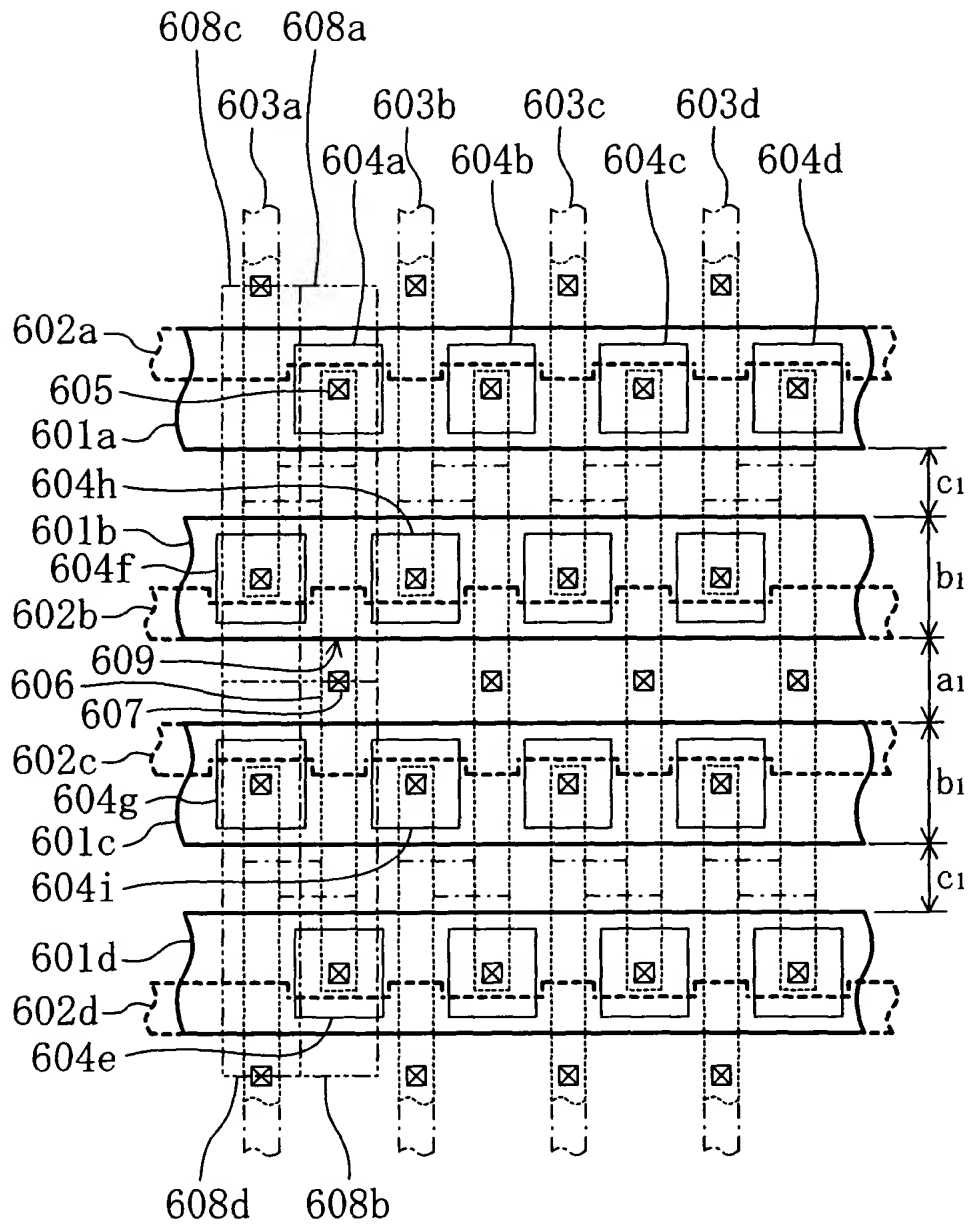
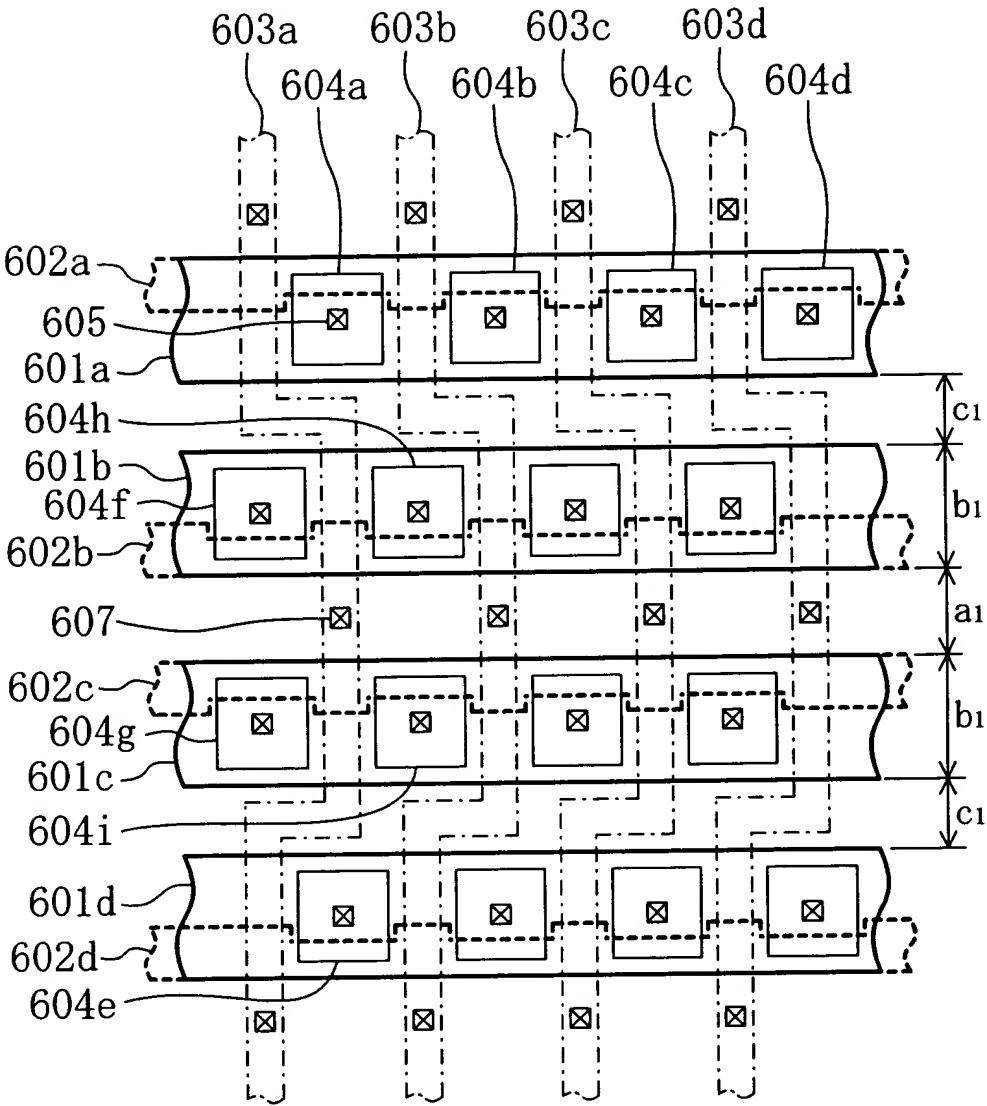


FIG. 16





The authors are grateful to the referees for their valuable comments and suggestions.

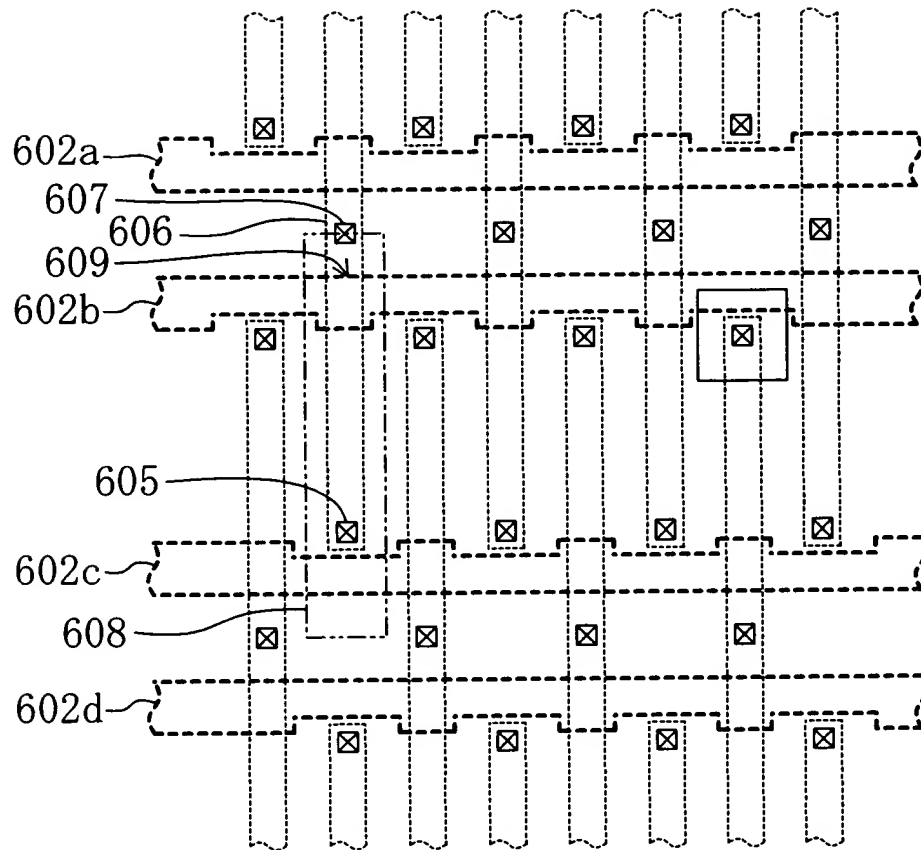


FIG. 18

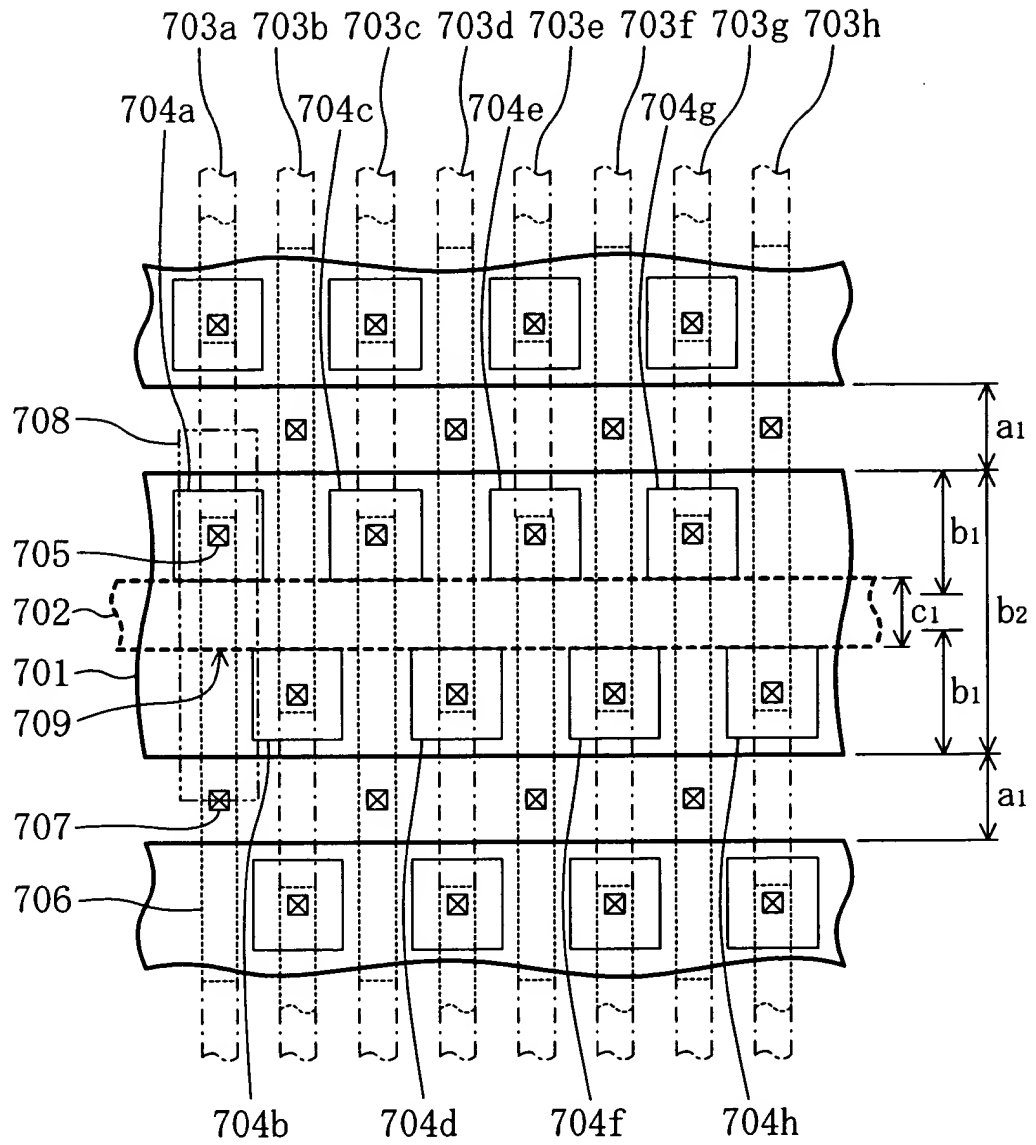


FIG. 19

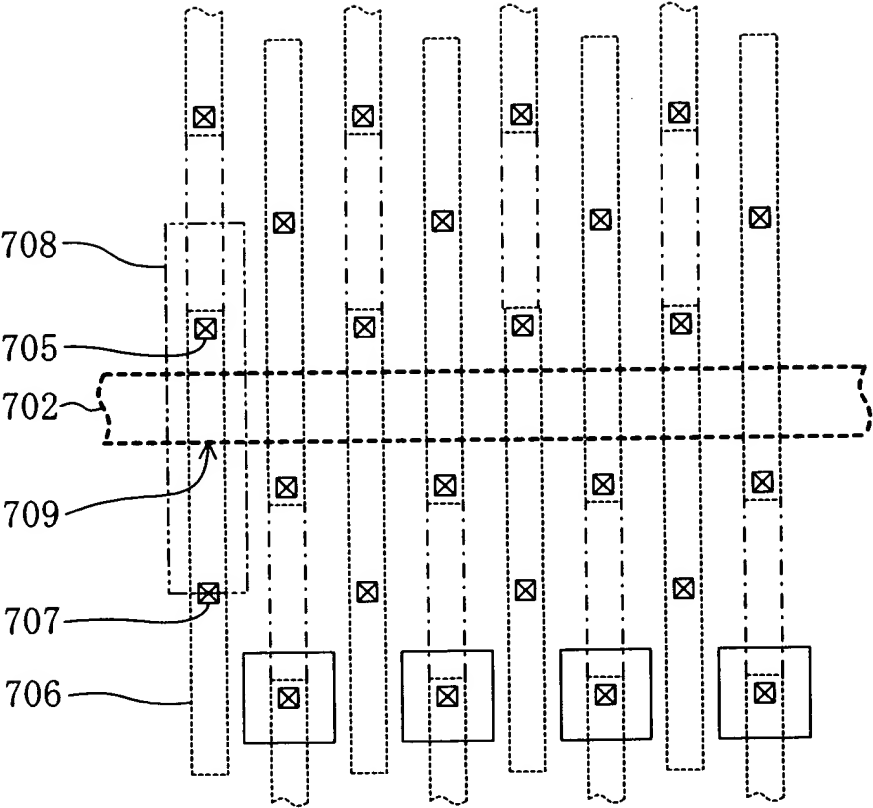


FIG. 20

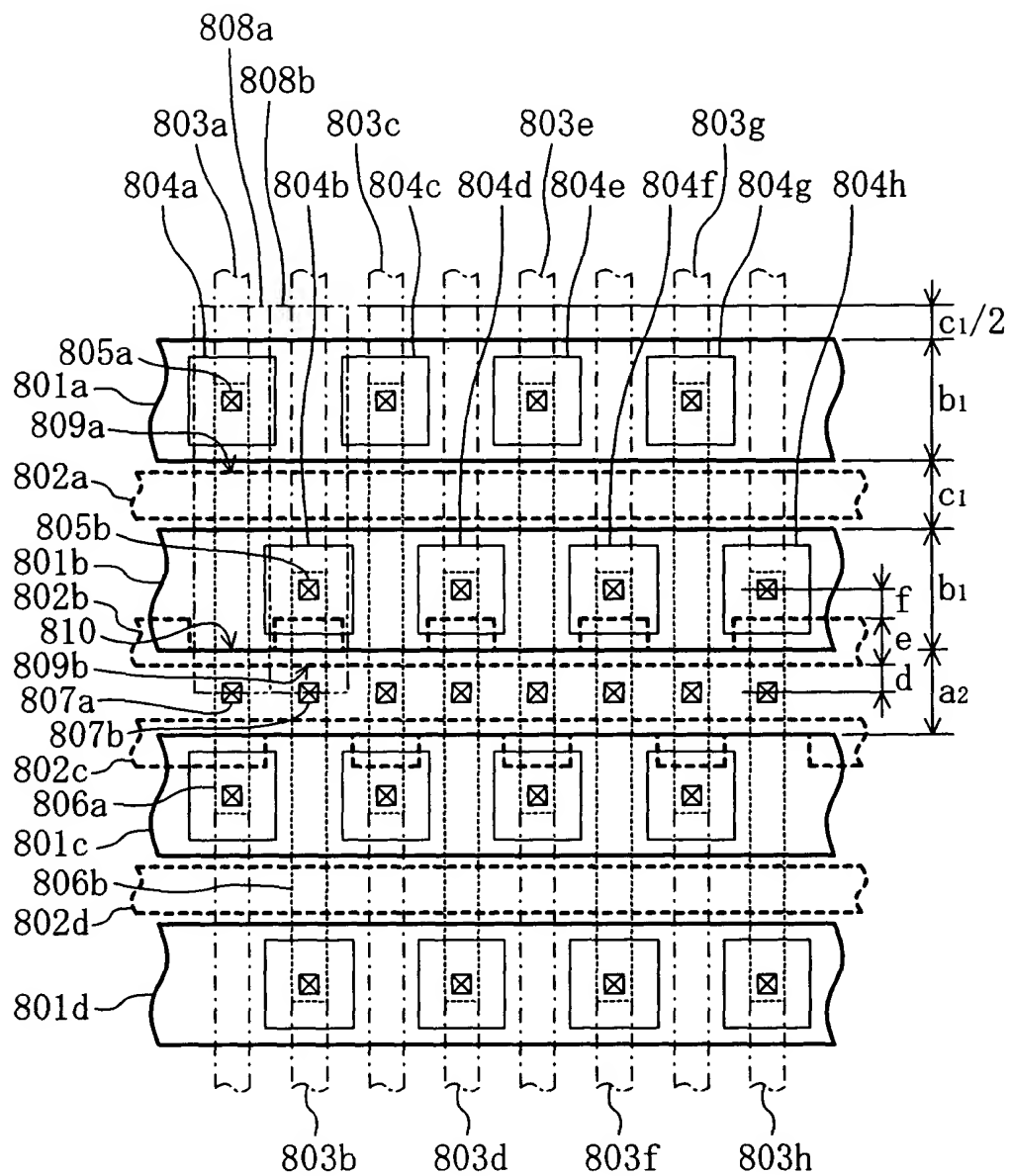


FIG. 21

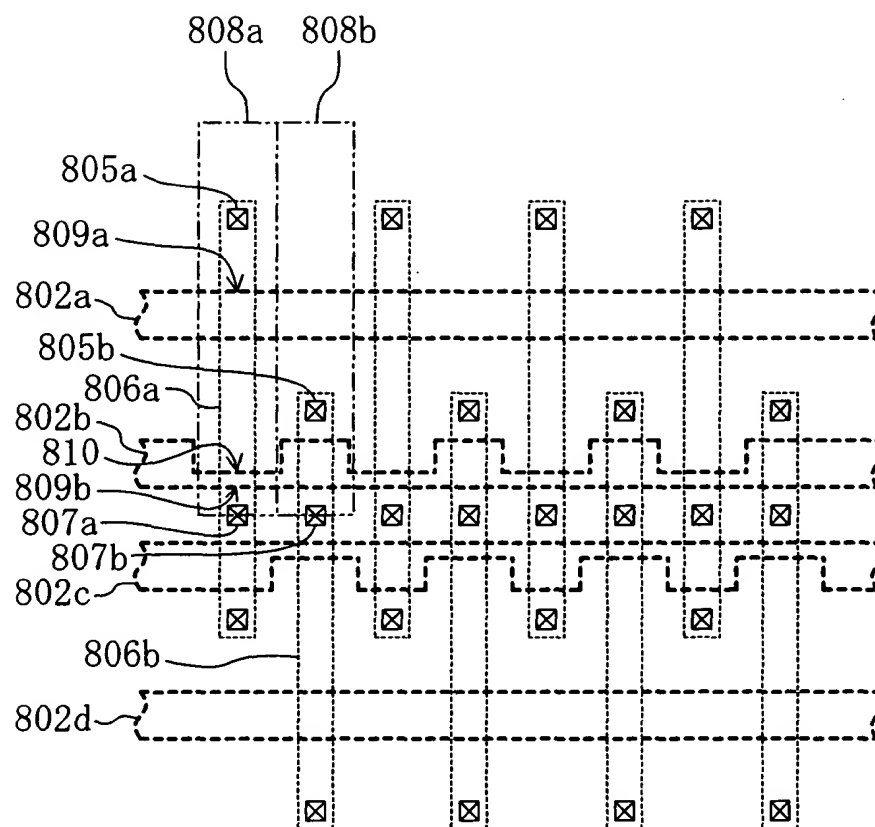


FIG. 22

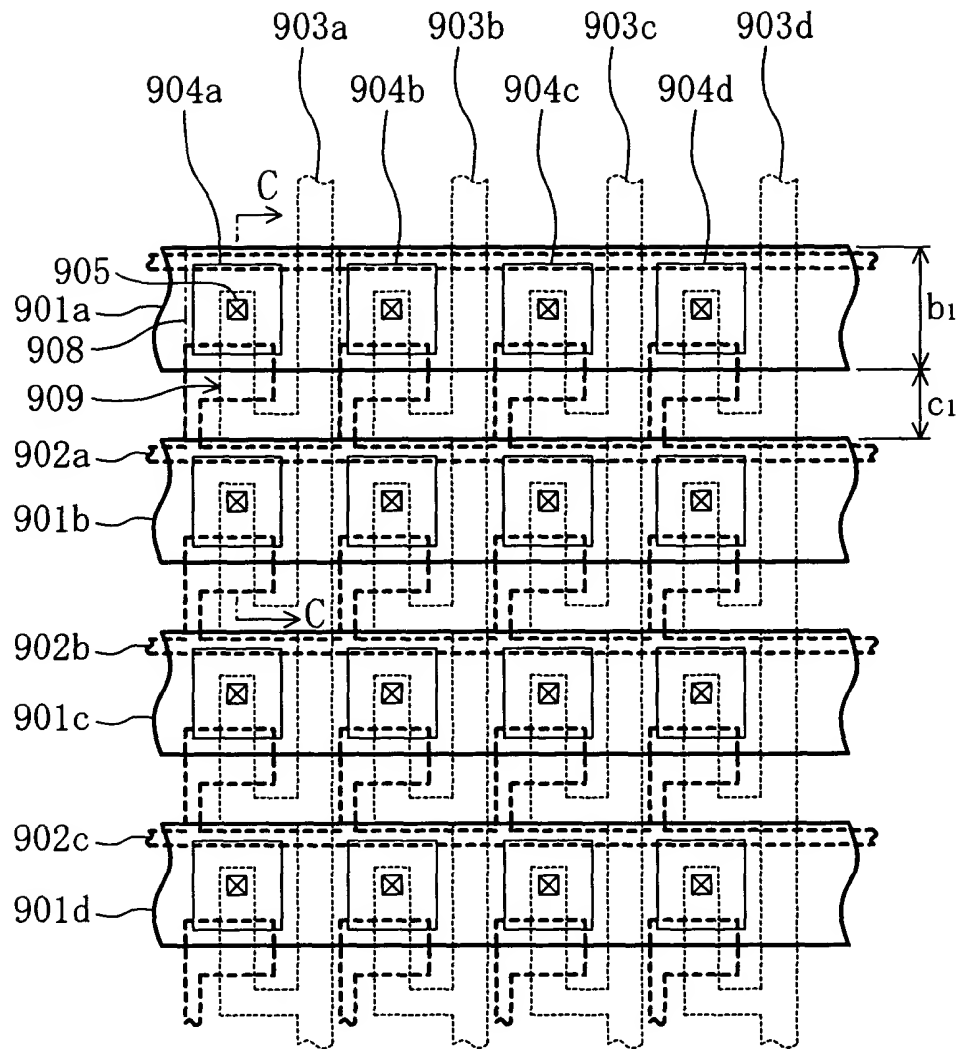


FIG. 23

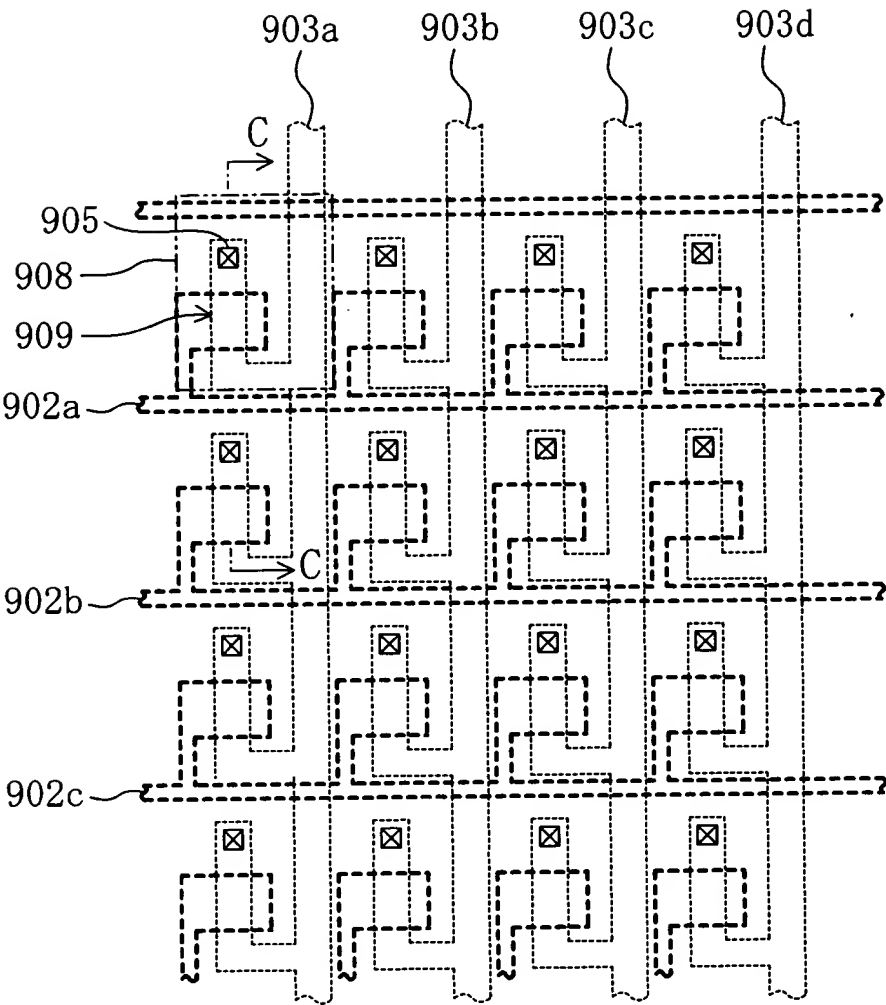


FIG. 24

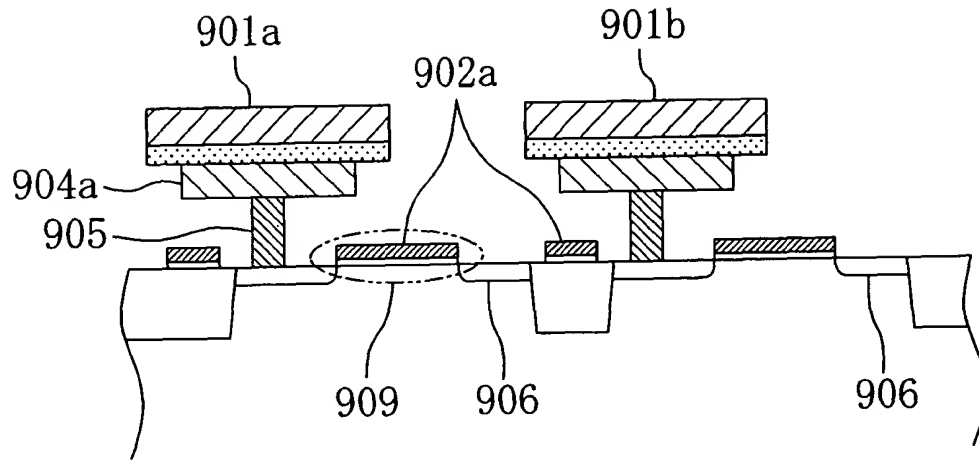


FIG. 25  
PRIOR ART

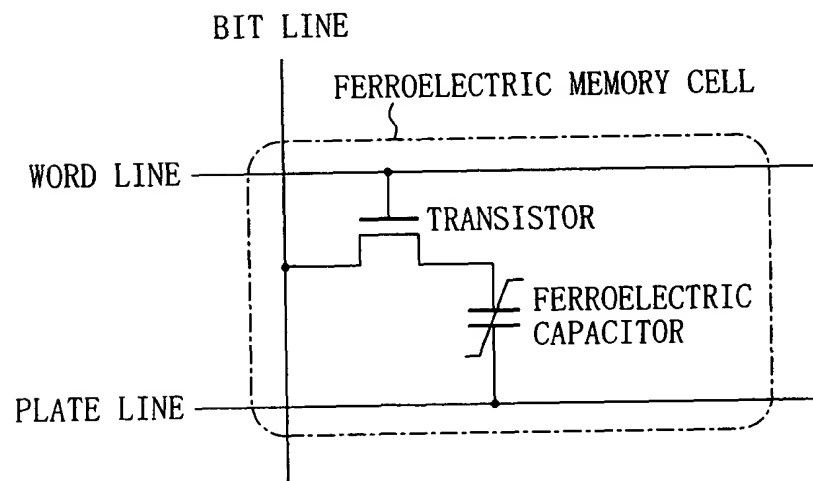
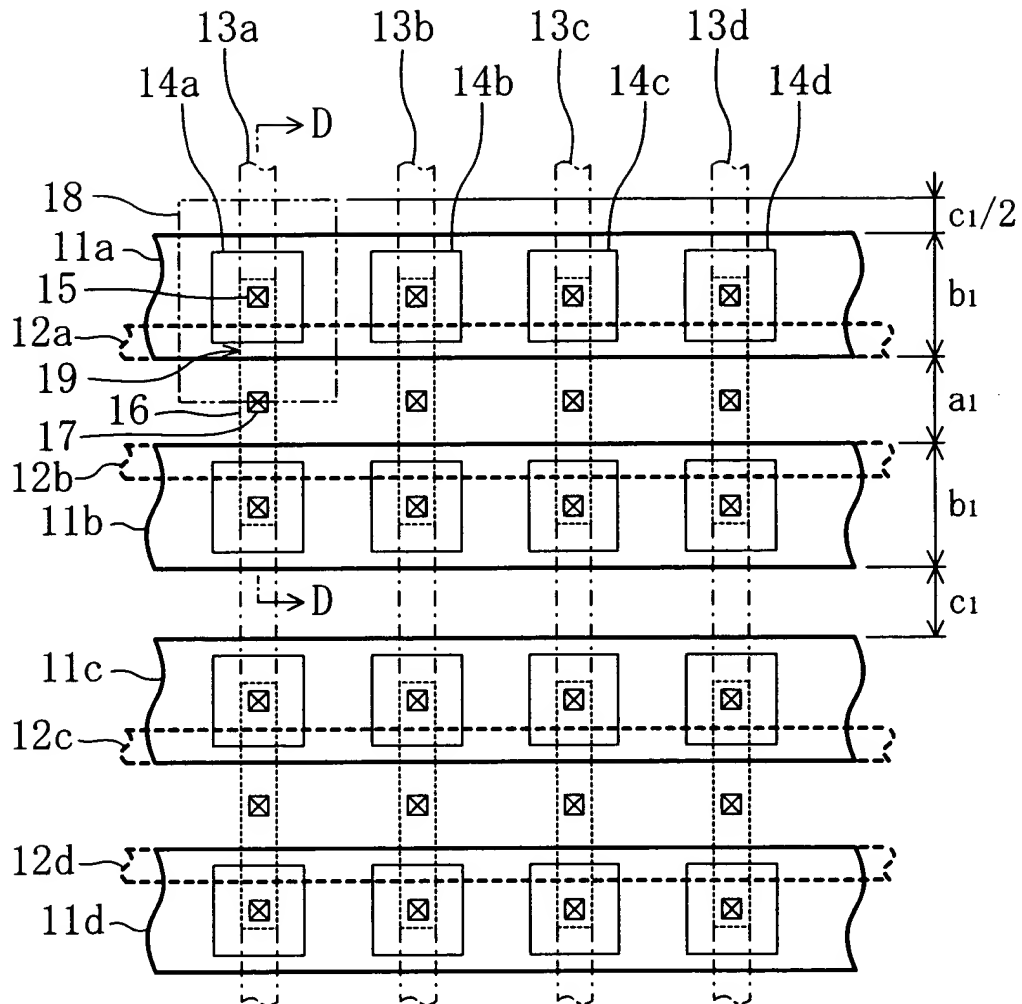




FIG. 26  
PRIOR ART



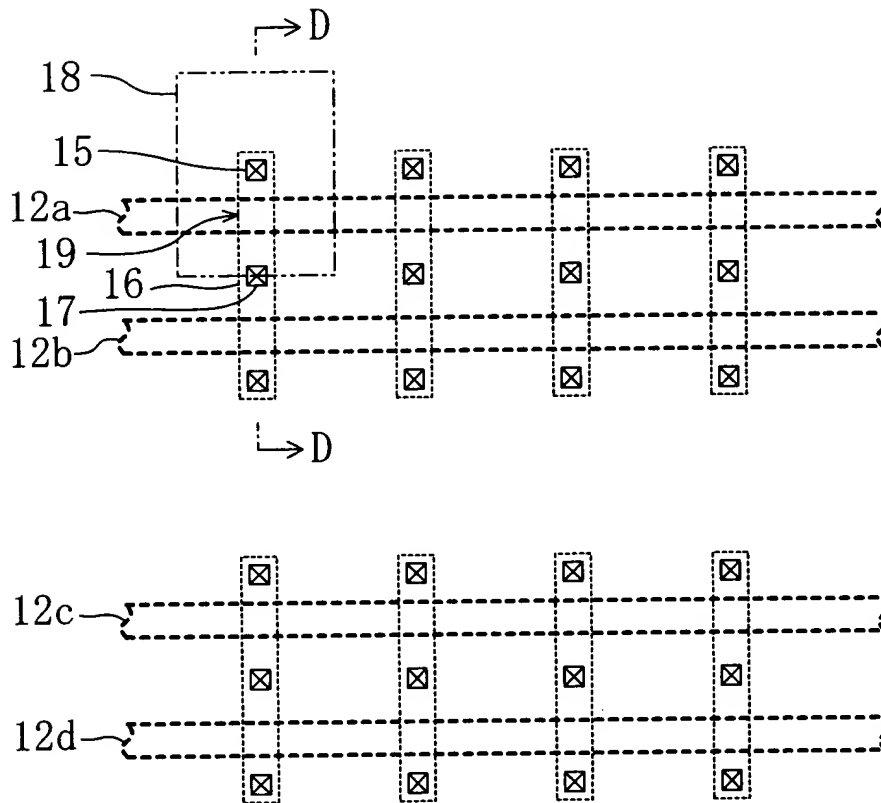
$$\begin{array}{ccccccc}
\mathbb{R}^n & \xrightarrow{\text{injection}} & \mathbb{R}^m & \xrightarrow{\text{injection}} & \mathbb{R}^k & \xrightarrow{\text{injection}} & \mathbb{R}^l \\
\downarrow & & \downarrow & & \downarrow & & \downarrow \\
\mathbb{R}^n & \xrightarrow{\text{injection}} & \mathbb{R}^m & \xrightarrow{\text{injection}} & \mathbb{R}^k & \xrightarrow{\text{injection}} & \mathbb{R}^l \\
\downarrow & & \downarrow & & \downarrow & & \downarrow \\
\mathbb{R}^n & \xrightarrow{\text{injection}} & \mathbb{R}^m & \xrightarrow{\text{injection}} & \mathbb{R}^k & \xrightarrow{\text{injection}} & \mathbb{R}^l
\end{array}$$


FIG. 28  
PRIOR ART

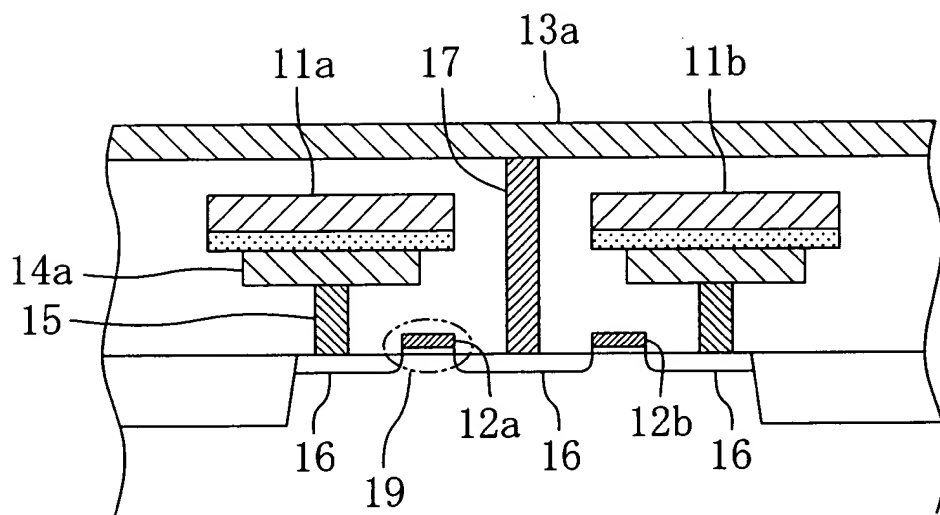


FIG. 29  
PRIOR ART

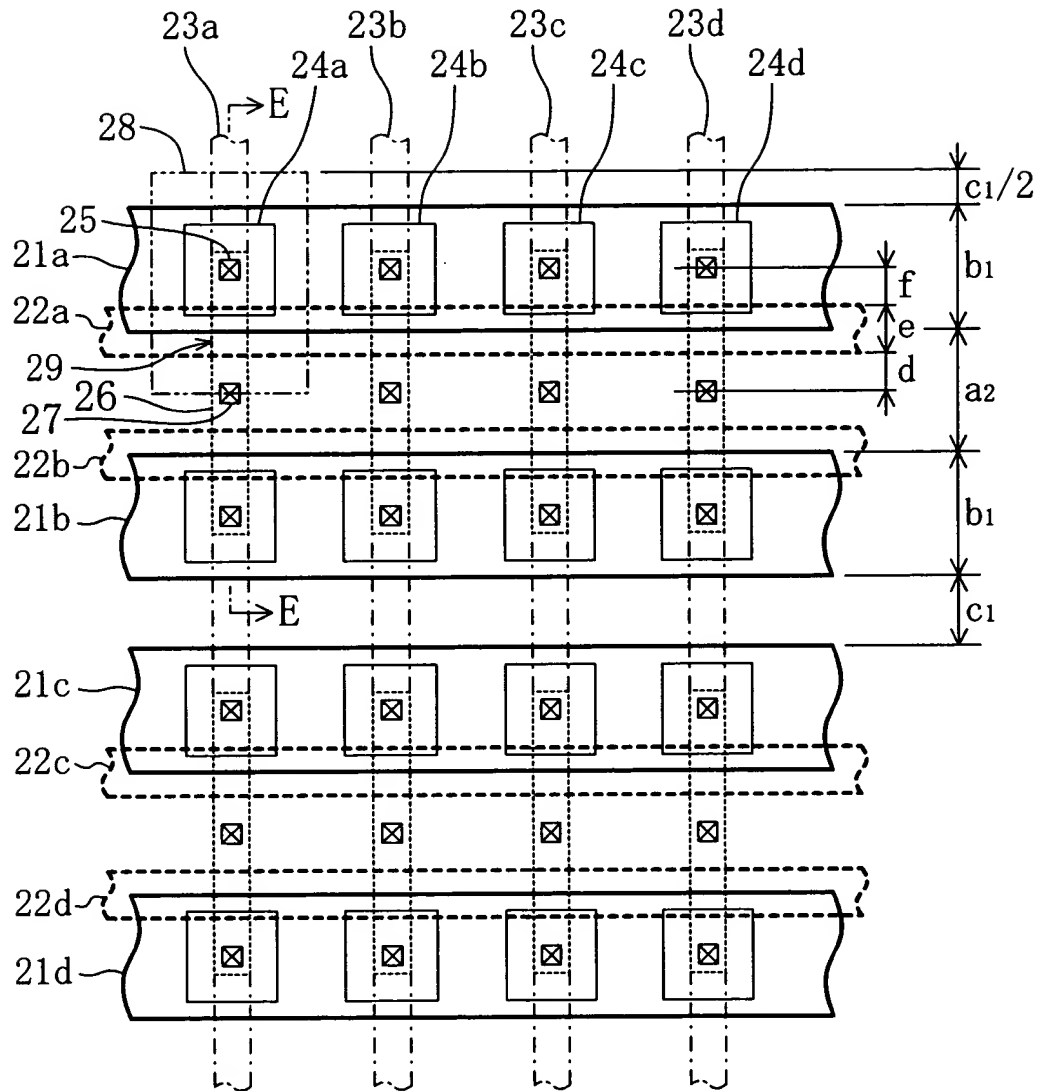


FIG. 30  
PRIOR ART

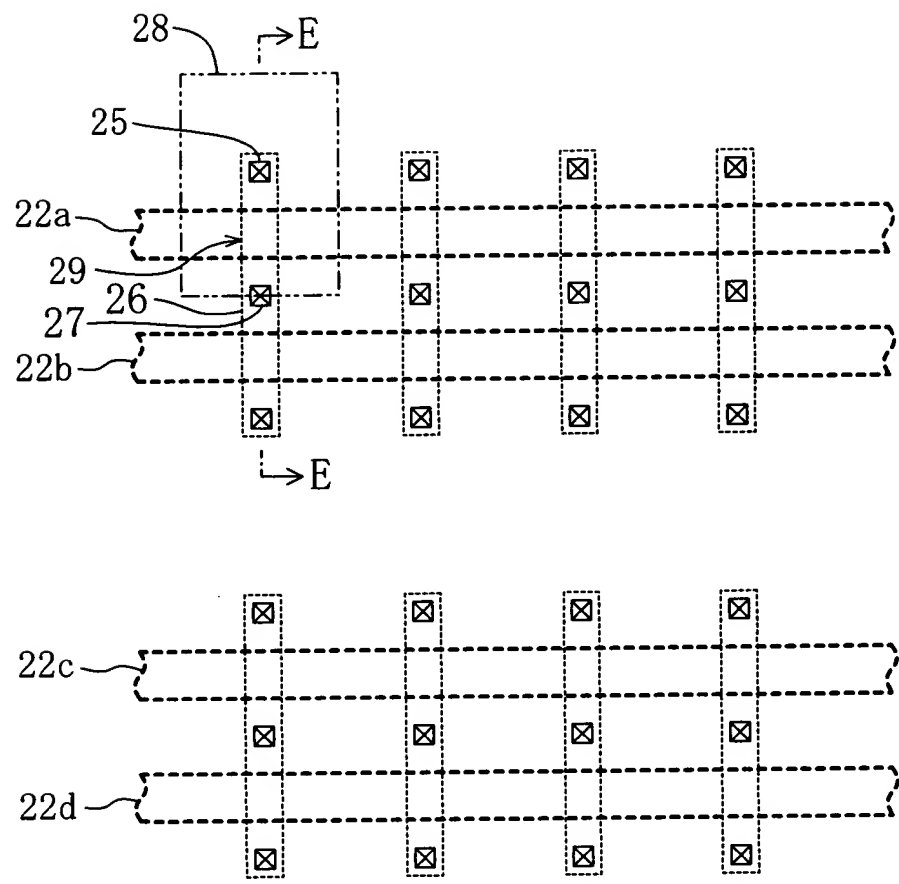


FIG. 31  
PRIOR ART

